



PATENT ABSTRACTS OF JAPAN

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(54) CONTROL PROCESSING SYSTEM FOR
EXECUTION MULTIPLICITY OF PROCESS

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(57) Abstract:

PURPOSE: To dynamically change the execution multiplicity of a process by changing dynamically the number of threads and a monitoring time interval in accordance with the variation of the number of wait requests and the number of free threads.

CONSTITUTION: An operating system 1 is provided with a monitoring mechanism part 2, a feedback mechanism part 3 and a multiplicity changing part 4. As a result of monitoring by the monitoring mechanism part 2, when the number of wait requests increases (or it is large), the feedback mechanism part 3 derives these values so that the number of threads is increased and a monitoring time interval is shortened. Subsequently, the multiplicity changing part 4 enlarges the execution multiplicity by increasing the number of threads, and also, the monitoring mechanism part 2 monitors a process 5 at a shorter monitoring time interval. The execution multiplicity of the process can be changed dynamically in accordance with a variation of the number of wait requests and the number of free threads.

